Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/13/2018 12:02 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125612	0	6.75	125538	7.04
Blue	F	SSC	125000	123601	-2	8.87	124571	9.20
Blue	E	FITC	15492	15373	-1	7.94 (1)	357	24.91
Blue	D	PE	28736	28364	-2	7.66	624	20.19
Blue	B	PerCP-Cy5-5	41413	41497	0	8.36	1142	26.23
Blue	A	PE-Cy7	31321	31994	2	10.20	594	52.58
Red	C	APC	41673	41353	-1	4.81	1590	14.96
Red	A	APC-Cy7	29962	29708	-1	4.78	764	15.57
Violet	B	V450	8318	8005	-4	6.87 (2)	445	17.23
Violet	A	V500	34199	33091	-4	6.70	797	13.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20511	7.07	626	13	N/A	N/A	Pass
Blue	F	SSC	55999	8.14	596	28	N/A	N/A	Pass
Blue	E	FITC	58	81.54	574	13	0.0131	196	Pass
Blue	D	PE	124	66.28	573	13	0.0930	273	Pass
Blue	B	PerCP-Cy5-5	206	62.04	683	16	0.0059	36	Pass
Blue	A	PE-Cy7	111	134.60	741	19	0.0074	29	Pass
Red	C	APC	362	30.34	611	10	0.0157	40	Pass
Red	A	APC-Cy7	188	33.05	587	11	0.0037	604	Pass
Violet	B	V450	64	79.07	483	6	0.0293	1891	Pass
Violet	A	V500	112	39.92	501	7	0.0150	602	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.36	-32.47	1.08
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.46
Red	17.42	13.60 - 20.40	N/A	N/A	29.56	30.33	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10793

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments